



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

September 20, 2000

## CERTIFIED RETURN RECEIPT

Z 230 748 250

Bryce Haas  
331 East 200 South  
Lindon, Utah 84042

Re: Notice of Conditional Tentative Approval to Commence Large Mining Operations,  
B & C Limestone Quarry, M/039/013, Sanpete County, Utah

Dear Mr. Haas:

The Division has completed a review of your Notice of Intention to Commence Large Mining Operations, received June 30, 2000. After reviewing your Notice, the Division hereby grants *conditional* tentative approval of the B & C Limestone Quarry large mining permit application. We will not be able to publish a formal notice of tentative approval until the conditions are addressed. Once we receive an adequate response to these conditions, we will proceed to publish a formal notice of tentative approval in the appropriate Salt Lake City and Sanpete County newspapers. This will begin the required 30-day public comment period. If no substantive comments are received during the public comment period, the Division will then be prepared to issue its final approval for this project.

### Condition #1

#### R647-4-106-3: Estimated Acreage

The table listed under this section needs to be corrected to show the correct amount of disturbed acreage. Current mining related disturbance at the site includes 6.2 acres. With the proposed 3.5 acres of additional disturbance, there will be a total of 9.7 acres. Please note, the reclamation surety estimate includes the total 9.7 acres.

### Condition #2

#### R647-4-110.5: Revegetation seed mix

Please provide a seed mix for final revegetation. The attached recommended seed mix is provided for your consideration. Please indicate whether this mix is acceptable. Otherwise, please provide a seed mix that will meet the intended post mining land use of grazing and wildlife habitat.

Page 2  
Bryce Haas  
M/039/013  
September 20, 2000

**Variances:**

A variance was requested from Rule R647-4-111-8: Reclamation of Roads. (Rule not cited in Notice). The operator has requested to leave the access road to the quarry for post mining access for grazing. This road was pre-existing and extends beyond the quarry area. The Operator is currently maintaining the road but has not widened the road. Under this scenario, the Division does not require reclamation of the access road, nor is it necessary to grant a variance to leave the access road after the mining operation ceases.

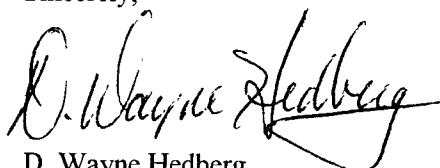
A variance was requested to not reclaim 1.3 acres of a pre-existing quarry located adjacent to the B & C Limestone Quarry (no rule cited). The operator has voluntarily backfilled and regraded this area to clean up past mining activities. This area has not been used by the operator for his operation. Since the Division can only require an operator to reclaim those areas affected under their approved permit, a variance is not necessary. The 1.3 acres of pre-existing disturbance is not considered part of this permit. However, the Division extends its appreciation for the voluntary cleanup of this past disturbance.

**Surety:**

Prior to issuing final approval, and by the end of the 30-day public comment period, a Reclamation Contract (Form MR-RC enclosed) must be completed and filed with this office. It must be attached to the reclamation surety for this project. The estimated reclamation surety amount is \$12,500 (year 2005 dollars using a 3.13% escalation factor). The Division has prepared a third party reclamation cost estimate (enclosed) to complete the reclamation plan for the B & C Limestone Quarry. Please let us know which type of surety you propose to post so we can provide you with the appropriate form. Please provide us with a "draft" copy of the completed reclamation contract and surety form before they are finalized so we can review them for completeness and accuracy.

If you have any questions in this regard please contact me or Lynn Kunzler of the Minerals Staff at (801) 538-5286 or 538-5310, respectively. Thank you for your cooperation and patience in completing this permitting process.

Sincerely,



D. Wayne Hedberg  
Permit Supervisor  
Minerals Regulatory Program

jb  
Enclosures: Recommended Seed Mix  
Reclamation Cost Estimate  
Reclamation Contract (Form MR -RC)  
cc: John Blake  
Pam Grubaugh-Littig, DOGM  
Lynn Kunzler, DOGM  
M-39-13-tent-approval

Recommended Revegetation Species List  
for

Bryce Haas  
B & C Limestone Quarry  
M/039/013

<u>Common Name</u>	<u>Species Name</u>	<u>*Rate lbs/ac (PLS)</u>
'Hycrest' crested wheatgrass	<u>Agropyron cristatum 'hycrest'</u>	0.5
Thickspike wheatgrass	<u>Agropyron dasystachum</u>	2.0
Indian Ricegrass	<u>Oryzopsis hymenoides</u>	1.5
Palmer penstemon	<u>Penstemon palmerii</u>	0.25
Yellow sweetclover	<u>Melilotus officinalis</u>	0.5
Wyoming big sagebrush	<u>Artemisia tridentata wyomingensis</u>	0.1
Shadscale	<u>Atriplex confertifolia</u>	1.0
Rubber rabbitbrush	<u>Chrysothamnus nauseosus</u>	0.4
Forage kochia	<u>Kochia prostrata</u>	0.5
Total Seed		<u>7.75 lbs/ac</u>

\* All rates are for broadcast seeding methods and are in terms of pure live seed (PLS) per acre.

This mix should meet the concerns of SITLA as well as providing for a diverse and permanent vegetation cover. It is also expected that this mix will compete well with cheatgrass (a noxious weed).

1	<b>RECLAMATION SURETY ESTIMATE</b>				
2	<i>Bryce &amp; Carrie L. Haas</i>		last revision	<u>09/19/00</u>	
3	<i>B &amp; C Limestone</i>		filename M039-013.WB2		
4	<i>M/039/013</i>		County		
5	Prepared by Utah State Division of Oil, Gas & Mining				
6					
7	<b>Area (1.3 Acres) Southeast of mine previously disturbed – Recontoured by Mr. Haas</b>				
8	This area is not a part of the area to be reclamation cost estimate.				
9					
10	<b>Note: actual unit costs may vary according to site conditions last unit cost update 2-Aug-2000</b>				
11	<b>-Amount of disturbed area which will receive reclamation treatments =</b>				<b>9.7 acres</b>
12	<b>-Estimated total disturbed area for this mine =</b>				<b>9.7 acres</b>
13	<u>Activity</u>	<u>Quantity</u>	<u>Units</u>	<u>\$/unit</u>	<u>\$</u> <b>Note</b>
14	Safety gates, signs, etc. (mtls & installation)	1	sum	200	200 (1)
15					
16	Equipment removal - trucking	5	trips	50	250 (2)
17					
18	Ripping stockpile & compacted areas	9.4	acre	234	2,200 (3)
19	Topsoil replacement - dozer	4675	CY	0.50	2,338 (4)
20					
21	Composted manure (5 ton/acre)	9.7	acre	150	1,449 (5)
22	Broadcast seeding	9.7	acre	170	1,649 (6)
23					
24	General site cleanup & trash removal	4.7	acre	50	235 (7)
25					
26	Equipment mobilization	2	equip	500	1,000 (8)
27					
28	Reclamation Supervision	1	days	386	386 (9)
29			Subtotal		9,706
30	10% Contingency				971
31			Subtotal		\$10,677
32	Escalate for 5 years at 3.13% per yr				1,779
33			Total		\$12,456
34			Rounded surety amount in yr 2005-\$		<b>\$12,500</b>
35	Average cost per disturbed acre =		\$1,289		

- Note**
- (1) DOGM lump sum assumed
  - (2) Means 2000, 02225-730-5100, bldg demo, rubbish handling, \$0.50/CY permile for >8CY truck; assumed 100 mile
  - (3) Means 2000 & Blue Book 3Q/00: Cat D8N, U, multi shank rippers, speed 1.0 mph
  - (4) Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 100 ft push
  - (5) DOGM general estimate - manure \$16/ton delivered, \$14 ton/acre spreading
  - (6) DOGM general estimate - broadcast seeding
  - (7) DOGM general estimate - site cleanup & trash removal
  - (8) DOGM general estimate - equipment mobilization
  - (9) Means 2000, 01300-700-0180, project manager, minimum \$1,930/wk